

WHAT IS CLAIMED IS:

1. A printing system comprising:

a printing portion,

a controlling portion for controlling said printing

5 portion,

a power saving mode for stopping a supply of a power source to at least said controlling portion,

a deciding portion for deciding a shift from a normal mode to the power saving mode;

10 a setting portion for setting communication control information used in the shift from the power saving mode to the normal mode after the shift to the power saving mode is decided by said deciding portion; and

15 a receiving portion for receiving data based on the communication control information set by said setting portion in the shift from the power saving mode to the normal mode not to use said controlling portion.

2. The printing system according to claim 1, connected

20 to an upper system via a serial bus, wherein

said receiving portion decides whether or not information is directed to own system, by referring an address area in a packet, and responds to only the information addressed to own system when the information

25 is transmitted from the upper system via serial

communication.

3. The printing system according to claim 1, connected to an upper system via a parallel bus, wherein

5 said deciding portion decides a mode shift by detecting change of an input control signal of a parallel interface.

4. A printing system comprising:

a printing portion,

10 a controlling portion for controlling said printing portion,

a power saving mode for stopping a supply of a power source to at least said controlling portion,

storing portion for storing received data;

15 deciding portion for deciding a receiving speed based on a returning time from the power saving mode to a normal mode and a capacity of said storing portion; and

receiving portion for receiving data based on the receiving speed decided by said deciding portion in a shift
20 from the power saving mode to the normal mode to store the data in said storing portion.

5. The printing system according to claim 4, wherein

said deciding portion decides dynamically the
25 receiving speed in view of a residual capacity of said

storing portion.

6. The printing system according to claim 4, connected to an upper system via a serial bus, wherein

5 said deciding portion decides the receiving speed based on setting of a data payload in a packet in receiving serial data from the upper system.

7. The printing system according to claim 4, connected to an upper system via a serial bus, wherein

10 said deciding portion decides the receiving speed based on a rate of notices informing that reception is normally completed, and notices informing that the reception is not normally completed, in replying a receiving
15 response to the upper system.

8. The printing system according to claim 4, connected to an upper system via a parallel bus, wherein

said deciding portion decides a mode shift by detecting
20 a change of an input control signal in a parallel interface.